App No.: NEW Docket No.: 0353-0211PUS1

Inventor: Daisuke MORISHITA et al.

Title: MONOMETHINE DYE COMPOUND, OPTICAL INFORMATION RECORDING MEDIUM UTILIZING THE, etc. NEW SHEET Sheet 1 of 9

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Figure 1

General formula (A)

$$Z_2$$
 CH_2
 R_1
 CH_2
 R_2
 R_3
 R_4
 R_5
 R_4

Figure 2

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Figure 3

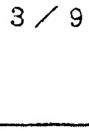
Figure 4

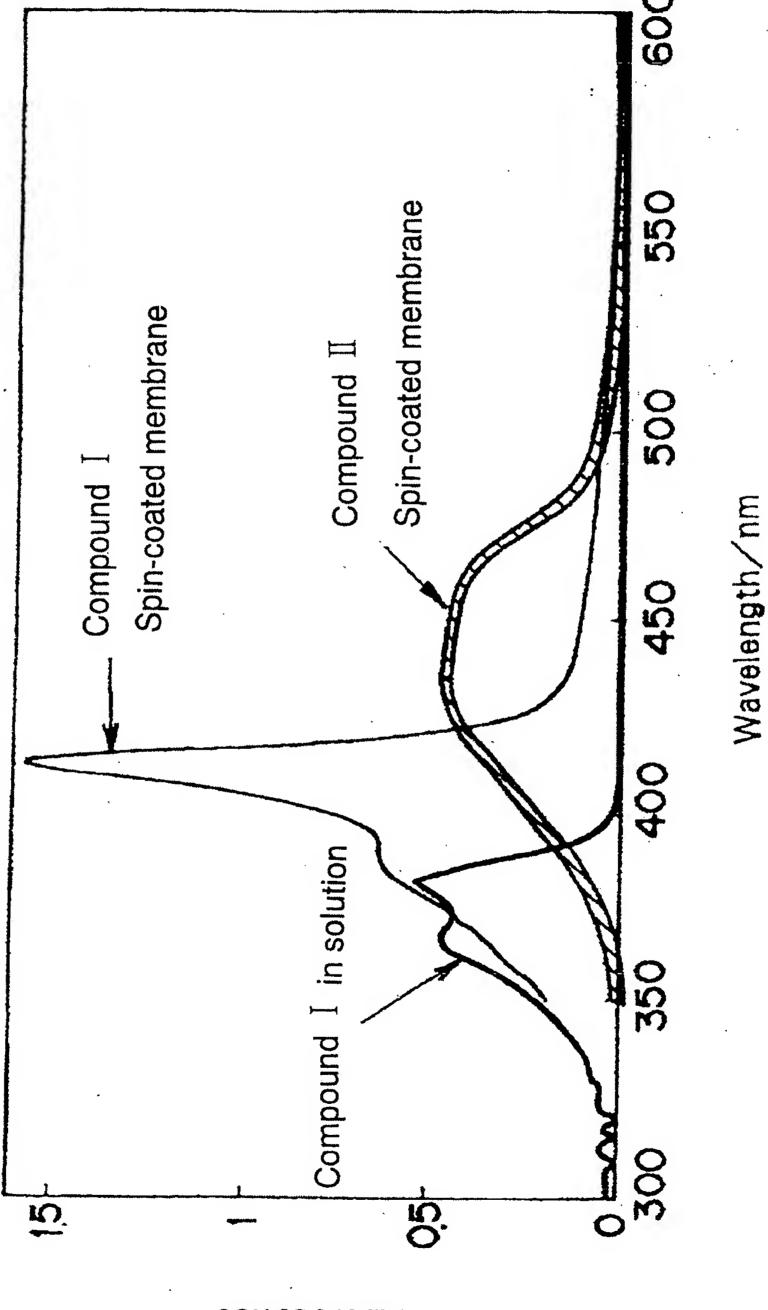
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Figure 5





Absrobance

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Figure 6

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Table 1

	Refractive index / n (at420nm)	Extinction coefficient / k (at420nm)
Compound (I) membrane	2.91	0.31
Compound (II) membrane	1.40	0.4

Figure 7

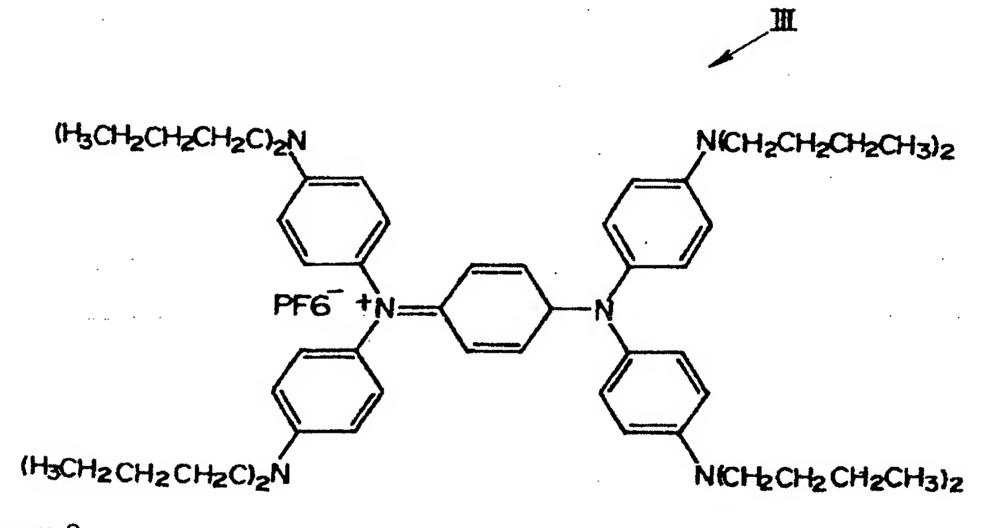


Figure 8

Table 2

	Recording sensitivity(1x) / mw	8T C/N dB	2T C/N dB
1 + 111	8.0mW	56	36.5
- 11	12.5mW	54	28.2

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Figure 9

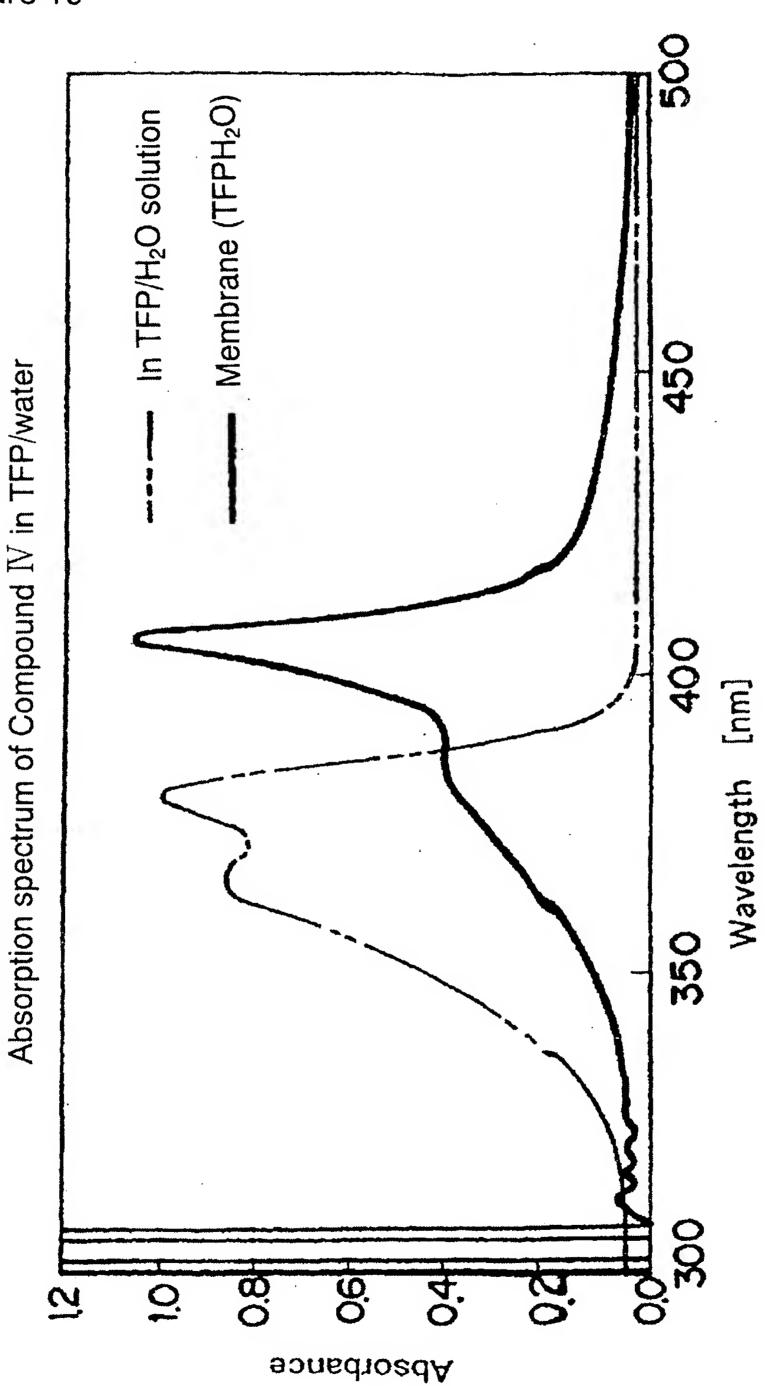
5

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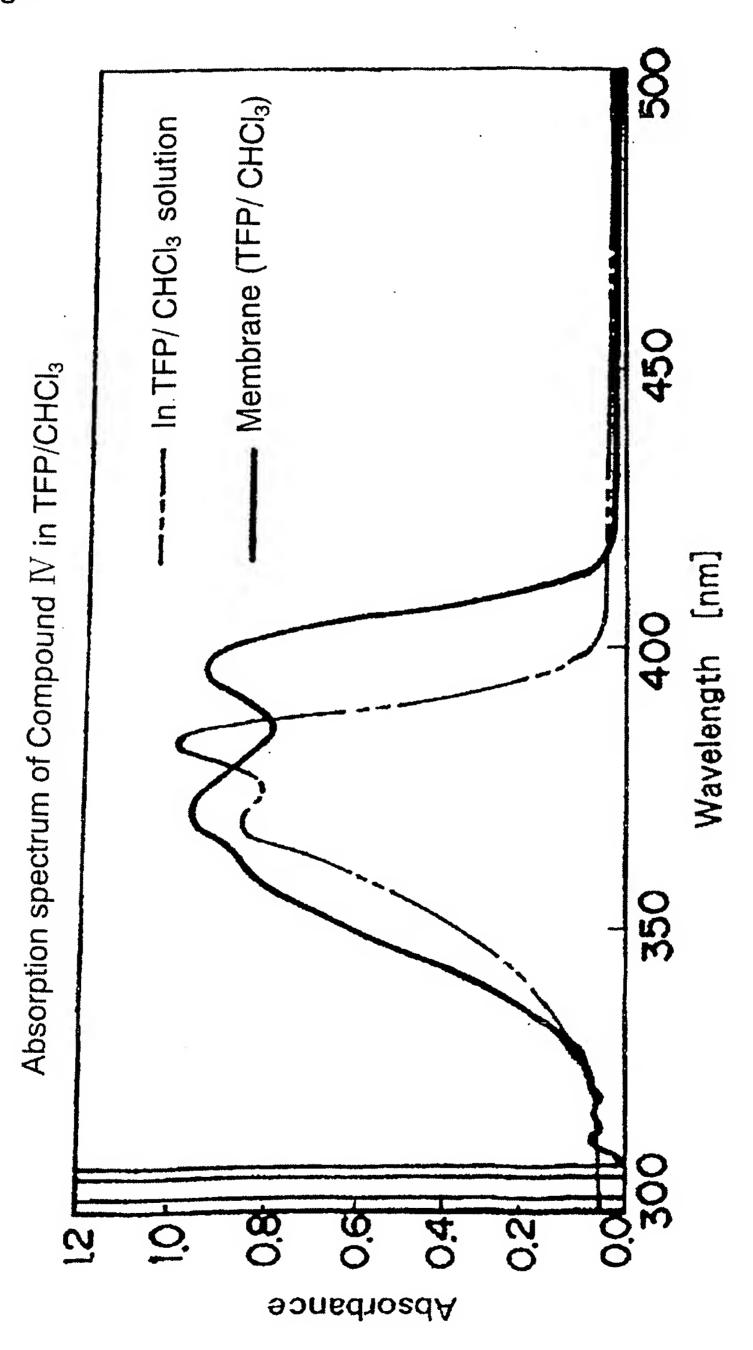
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Figure 10



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Figure 11

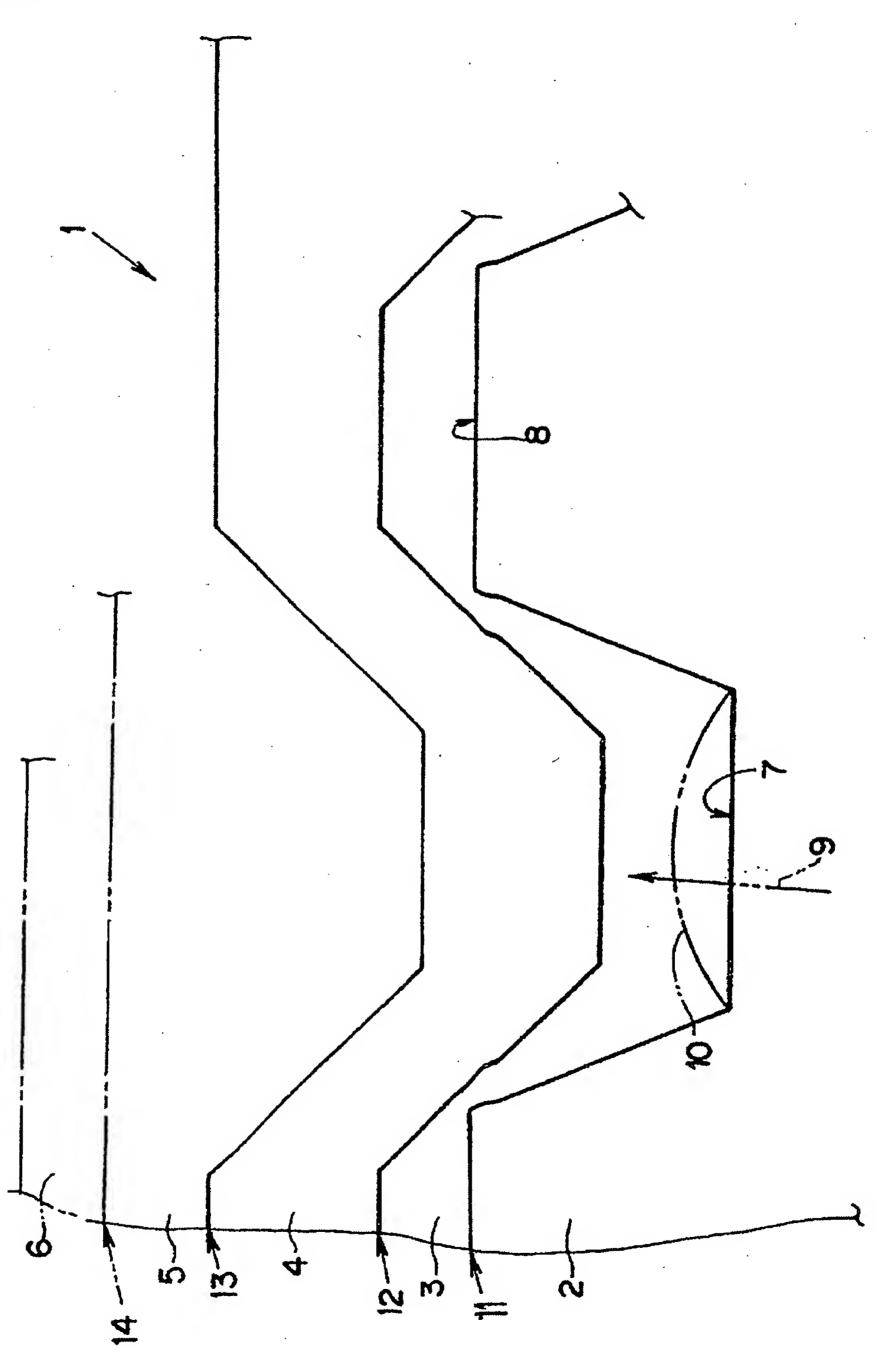


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Figure 12



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